

EPA SAMPLE NO.

MYE5N4L

FORM 8-IN

ICP-AES AND ICP-MS SERIAL DILUTIONS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51817 MA No.:                      SDG No.: MYE5N4Matrix : Soil Analytical Method: ICP-AES% Solids: 95.3Concentration Units ( $\mu\text{g/L}$ ,  $\text{mg/L}$  or  $\text{mg/kg}$  dry weight): mg/kg

| Analyte   | Initial Sample<br>Result (I) |    | Serial<br>Dilution<br>Result (S) |    | %<br>Difference |   |
|-----------|------------------------------|----|----------------------------------|----|-----------------|---|
|           |                              | Q  |                                  | Q  |                 | Q |
| Aluminum  | 12000                        | D  | 13000                            | D  | 4               |   |
| Antimony  | 0.81                         | JD | 44.0                             | UD | 100             |   |
| Arsenic   | 18                           | D  | 27                               | D  | 52              |   |
| Barium    | 150                          | D  | 160                              | D  | 3               |   |
| Beryllium | 0.33                         | JD | 0.33                             | JD | 1               |   |
| Cadmium   | 0.73                         | UD | 3.6                              | UD |                 |   |
| Calcium   | 6200                         | D  | 6500                             | D  | 5               |   |
| Chromium  | 33                           | D  | 33                               | D  | 3               |   |
| Cobalt    | 16                           | D  | 15                               | JD | 3               |   |
| Copper    | 38                           | D  | 38                               | D  | 1               |   |
| Iron      | 28000                        | D  | 30000                            | D  | 6               |   |
| Lead      | 14                           | D  | 13                               | D  | 6               |   |
| Magnesium | 6200                         | D  | 6400                             | D  | 3               |   |
| Manganese | 800                          | D  | 840                              | D  | 5               |   |
| Nickel    | 31                           | D  | 31                               | D  | 1               |   |
| Potassium | 1800                         | D  | 1800                             | JD | 0               |   |
| Selenium  | 5.1                          | UD | 26.0                             | UD |                 |   |
| Silver    | 1.5                          | UD | 7.3                              | UD |                 |   |
| Sodium    | 730                          | UD | 3600                             | UD |                 |   |
| Thallium  | 3.6                          | UD | 18.0                             | UD |                 |   |
| Vanadium  | 43                           | D  | 38                               | D  | 12              |   |
| Zinc      | 55                           | D  | 58                               | D  | 7               |   |